



**Water Thresholds - 1st draft**

David G FARRER to: Scott Downey, Elizabeth Allen

08/02/2011 02:18 PM

[attachment "Drinking Water Coversheet 2.11.pdf" deleted by Scott Downey/R10/USEPA/US]

[attachment "CV Drinking Water 02.11.pdf" deleted by Scott Downey/R10/USEPA/US]

[attachment "Threshold Values.xls" deleted by Scott Downey/R10/USEPA/US]

Elizabeth,

For your review and input, I've attached my first crack at threshold values for DEQ's analyte list for water.

This was the hierarchy I used for threshold values:

- ATSDR value unless RSL was lower (ATSDR table of values also attached)
- RSL if no ATSDR value available
- USGS - Health-Based Screening Levels if neither ATSDR value nor RSL was available
- Provisional ATSDR value or RSL (meaning I calculated it myself based on RfD or Unit Risk value in the pesticide's registration eligibility document). For carcinogens, I used the derivation equation from RSL to account for childhood through adult exposure. For non-carcinogens, I used ATSDR's equation for Environmental Media Guidelines for children.
- There are still a few analytes on the list for which I can't find any water standards or an RfD from which to calculate one.

Scott, if you could direct me to even a provisional RfD for the following chemicals, that would be really helpful:

Aminocarb

Butachlor

Chloroneb

DEET

Fenarimol

Methyl paraoxon

Mexacarbate

Neburon

Phosdrin

Pyraclostrobin

Pyriproxyfen

Simetryn

trans-Nonachlor

Tricyclazole

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**Fw: Final version of ET Pitchfork Rebellion presentation (handout pdf file) & request for Erik's help**

**David Powers** to: Erik Peterson, Christine Reichgott  
Cc: Scott Downey

08/02/2011 03:09 PM

History: This message has been replied to.

Erik and Teena -

Issue: a nationally significant issue related to herbicide use in forestry practices has been unfolding near Eugene, Oregon. The herbicides 2,4-D and atrazine are routinely aerially sprayed on intensively managed private forest lands in OR. Relatively high background and post spray levels of 2, 4-D and atrazine have been found in the urine of Triangle Lake residents. These residents, including members of the "Pitchfork Rebellion", have long claimed health problems from herbicide spraying. They now have evidence that they've been exposed and a recognized toxicologist is involved. A ppt. that Scott Downey put together for the ET on this issue is attached below.

Request: help from Erik in characterizing West Coast forest practice requirements for herbicide application. I estimate that it would be a two to three day effort in total. I understand that Erik has a full platter and through mid-August is really stacked with getting NEPA/309 review deadlines...the timeline for the characterization of practices would certainly accommodate your units environmental review needs. I would also work with Erik on focusing and expediting the effort.

Why and relevance to NEPA/309 review: Erik has been extremely effective in characterizing forestry issues relevant to both NEPA/309 review and the other EPA media programs. For example, his work on Dry Forest environmental issues and multi-media environmental impacts associated with biomass have been very useful from a NEPA review perspective, in renewable energy discussions that are a priority for Dennis McLerran and Rick Albright, and GHG/AQ impact discussions. Erik is currently reviewing a BLM Statewide Herbicide use EIS that contains relevant information on herbicide use requirements. These federal requirements are more stringent than private land requirements. Erik's involvement in the above request would be relevant to NEPA review, the Triangle Lake issues, and herbicide drift in general.

p.s. There are lots of moving parts associated with this issue - A national registration/labeling petition regarding aerial drift is before EPA Administrator Jackson; a coordinated state/federal agency monitoring effort to determine the likely pathway of exposure for Triangle lake residents is underway; press coverage and threatened lawsuits have been active; and there is high level political involvement, including Governor Kitzhaber. Erik's characterization could help EPA's relevance in these areas.

Please let me know if this works. Thanks, Dave

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----- Forwarded by David Powers/R10/USEPA/US on 08/02/2011 01:11 PM -----

From: David Powers/R10/USEPA/US  
To: Scott Downey/R10/USEPA/US@EPA  
Cc: Anthony Barber/R10/USEPA/US@EPA, Harold Rogers/R10/USEPA/US@EPA  
Date: 08/02/2011 01:09 PM  
Subject: Re: Fw: Highway 36, Exposure Investigation e-mail list (8/1/11)

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Scott - I did not but thanks for the prompt. FOIA's, lawsuits, and budget cuts have occupied my focus for several months. I will ask Erik Peterson, and Christine Reichgott Erik's supervisor, if this is a task he could take on. In order to look at similar terrain/drift factors and comparable forest related use of herbicides/pesticides I would recommend limiting the comparison to forestry in OR, WA, CA, and possibly British Columbia. Dave

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----- Forwarded by David Powers/R10/USEPA/US on 08/02/2011 01:13 PM -----

From: Scott Downey/R10/USEPA/US  
To: Schulze.Chad@epamail.epa.gov, Linda Liu/R10/USEPA/US@EPA, Erin Halbert/R10/USEPA/US@EPA, Richard Kauffman/R10/USEPA/US@EPA, David Powers/R10/USEPA/US@EPA, Alan Henning/R10/USEPA/US@EPA, Kay Morrison/DC/USEPA/US@EPA, Sheila Fleming/R10/USEPA/US@EPA, Elizabeth Allen/R10/USEPA/US@EPA, Marie Jennings/R10/USEPA/US@EPA, Wenona Wilson/R10/USEPA/US@EPA, Margo Young/R10/USEPA/US@EPA, Edward Kowalski/R10/USEPA/US@EPA, Lauris Davies/R10/USEPA/US  
Date: 05/17/2011 12:10 PM  
Subject: Final version of ET Pitchfork Rebellion presentation (handout pdf file)

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A hearty thanks to all who helped to improve this. I incorporated most of your edits or concepts ... and Kay will be glad to see many less acronyms! I think our work really made an impression and set us up for ET level support as we go forward. If you'd like the full editable pptx version, just let me know. I just didn't want to add those dreaded multi-megabytes to your inbox without your OK. Scott

[attachment "ET Pitchfork Rebellion presentation final handout.pdf" deleted by Scott Downey/R10/USEPA/US]

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